

O&M TRAINING CENTER COURSE

Course Title:	National Electric Code Book
Location:	San Joaquin Field Division
Sponsor:	O&M Training Center
Participants:	H.E.P. Journey-level Electricians Only
Class Limits:	Minimum 8, Maximum 16
Class Dates:	
Time:	0800 to 1530 hours, Days 1 & 2 0800 to 1130 hours , Day 3 20 Hours
Instructor:	Bartholomew/Wada
Course Information:	This class is designed as a refresher course for Journey-level workers who have been introduced to the N. E. C. book and would like to become more effective with it.
Class Prerequisites:	The student should have electrical background and have prior experience with the National Electric Code Book.

Class Subjects

Day One – 8 Hours

- Article 90 Introduction
- Article 100 Definitions
- Article 110 Requirements for Electrical Installation
- Article 200 Use and Identification of Grounded Conductors
- Article 225 Outside Branch Circuits Feeders
- Article 230 Services
- Article 240 Overcurrent Protection
- Article 250 Grounding
- Article 300 Wiring Methods
- Article 305 Temporary Wiring
- Article 310 Conductors for General Wiring
- Article 318 Cable Trays

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Day Two – 8 Hours

- Article 345 Intermediate Metal Conduit
- Article 346 Rigid Metal Conduit
- Article 347 Rigid Non-Metallic Tubing
- Article 348 Electrical Metallic Tubing
- Article 349 Flexible Metallic Tubing
- Article 350 Flexible Metal Conduit
- Article 370 Outlet, Device, Pull and Junction Boxes, Conduit Bodies and Fittings
- Article 380 Switches
- Article 400 Flexible Cords and Cables
- Article 410 Lighting Fixtures, Lamp Holders, Lamp, and Receptacles
- Article 424 Fixed Electric Space Heating Equipment
- Article 430 Motors, Motor Circuits, and Controllers

Day Three – 4 Hours

- Article 440 Air Conditioning and Refrigeration Equipment
- Article 450 Transformers and Transformer Vaults
- Article 480 Storage Batteries
- Article 500 Hazardous Locations
- Article 511 Commercial Garage, Repair, and Storage
- Article 630 Electric Welders
- Article 710 Over 600 Volts, Nominal General
- Wrap-up and Course Evaluation